



EXAMINATION NO.: \_\_\_\_\_  
**THE MALAWI NATIONAL EXAMINATIONS BOARD**

**2024 JUNIOR CERTIFICATE EXAMINATION**

**GEOGRAPHY**

(100 marks)

**Subject Number: J073**

**Tuesday, 4 June**

**Time Allowed: 2 h 30 min**

**1:00 - 3:30 pm**

**Instructions**

1. This paper contains 12 printed pages.  
Please check.
2. This paper has **three** sections: A, B, and C.
3. Follow instructions for each section carefully.
4. Write your **Examination Number** in the spaces provided on **all** the pages of this paper before you start answering the questions.
5. In the table provided on this page, **tick** against the question number you have answered.
6. Hand in your question paper to the invigilator when time is called to stop writing.

| Question number | Tick if answered | Do not write in these columns |  |
|-----------------|------------------|-------------------------------|--|
| 1 - 5           |                  |                               |  |
| 6 - 10          |                  |                               |  |
| 11 - 15         |                  |                               |  |
| 16 - 20         |                  |                               |  |
| 21              |                  |                               |  |
| 22              |                  |                               |  |
| 23              |                  |                               |  |
| 24              |                  |                               |  |
| 25              |                  |                               |  |
| 26              |                  |                               |  |
|                 |                  |                               |  |



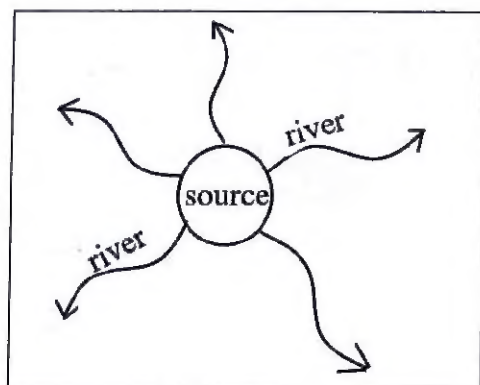
## Section A (20 marks)

Answer **all** the questions by encircling the letter corresponding to the correct answer.

1. Which of the following is a component of a map that provides details of features shown on a map?

A. key  
B. title  
C. scale  
D. compass

**Figure 1** is a diagram showing drainage pattern. Use it to answer questions 2 and 3.



**Figure 1**

2. The name of the drainage pattern shown in the diagram is

A. Trellis.  
B. Radial.  
C. Dendritic.  
D. Intermittent.

3. Which of the following factors influences the development of the drainage pattern shown?

A. presence of a crater  
B. presence of steep slopes  
C. presence of uniform rocks  
D. presence of hard and soft rocks

4. Which of the following is the correct order of the first four planets in the Solar system?

A. Mars, Venus, Mars, Earth  
B. Earth, Mercury, Venus, Mars  
C. Venus, Mars, Earth, Mercury  
D. Mercury, Venus, Earth, Mars

5. At which longitude is the International Date line located?

A.  $0^\circ$   
B.  $90^\circ$   
C.  $180^\circ$   
D.  $360^\circ$

6. Lakes that are formed when water collects in a mouth of a volcano that is blown off are called

A. basin lakes.  
B. rift valley lakes.  
C. caldera lakes.  
D. inland drainage lakes.

7. Which of the following minerals is commonly found in the crust?

A. Iron  
B. Silica  
C. Nickel  
D. Olivine

8. The percentage of Nitrogen gas in the atmosphere is

A. 78.  
B. 21.  
C. 0.07.  
D. 0.03.



2024

9. Which of the following are seasons experienced in Malawi?
1. hot wet
  2. cold dry
  3. cool dry
  4. warm wet
- A. 1 and 2  
B. 1 and 4  
C. 2 and 3  
D. 3 and 4
10. Lines drawn on the map joining places of equal amount of cloud cover are called
- A. Isobars.  
B. Isohyets.  
C. Isonephhs.  
D. Isotherms.
11. Air is said to be saturated when
- A. the wet and dry bulb thermometer show different temperature readings.  
B. the wet bulb thermometer shows low temperature reading.  
C. the dry bulb thermometer shows high temperature reading.  
D. wet and dry bulb thermometers show the same temperature readings.
12. Which of the following are climatic disasters?
- A. Tsunamis and floods  
B. landslides and cyclones  
C. landslides and Tsunamis  
D. cyclones and floods
13. Which of the following are stages of disaster risk management cycle?
1. readiness
  2. response
  3. vulnerability
  4. management
- A. 1 and 2  
B. 1 and 3  
C. 2 and 4  
D. 3 and 4
14. Which of the following is a human activity that endangers forests in Malawi?
- A. unlicensed mining  
B. family planning  
C. cultivation of river banks  
D. uncontrolled tree cutting
15. Which of the following is a challenge affecting the use of hydro-electricity in Malawi?
- A. heavy rainfall  
B. aquatic weeds  
C. fluctuation of Shire river  
D. frequent power blackouts
16. The common way of processing fish in Malawi is
- A. sun drying.  
B. smoking.  
C. freezing.  
D. frying.

17. What is the population density for a country with a total population of 85,000,000 and an area of 100,000km<sup>2</sup>?
- A. 85 people/km<sup>2</sup>
  - B. 850 people/km<sup>2</sup>
  - C. 8500 people/km<sup>2</sup>
  - D. 85000 people/km<sup>2</sup>
18. Which of the following is an effect of high population density on the physical environment?
- A. over crowding
  - B. traffic congestion
  - C. land degradation
  - D. poor delivery of social services
19. Which of the following is a way that can help Malawi to achieve **positive** balance of trade?
- A. reducing import duty
  - B. encouraging foreign investors
  - C. producing high quality exports
  - D. joining regional trade groups
20. Which of the following are the challenges faced by the communication industry in Malawi?
- 1. high literacy rate
  - 2. adequate infrastructure
  - 3. shortage of skilled manpower
  - 4. vandalism of service facilities
- A. 1 and 2
  - B. 1 and 3
  - C. 2 and 4
  - D. 3 and 4

**Section B (50 marks)**

Answer **all** the questions in the spaces provided.

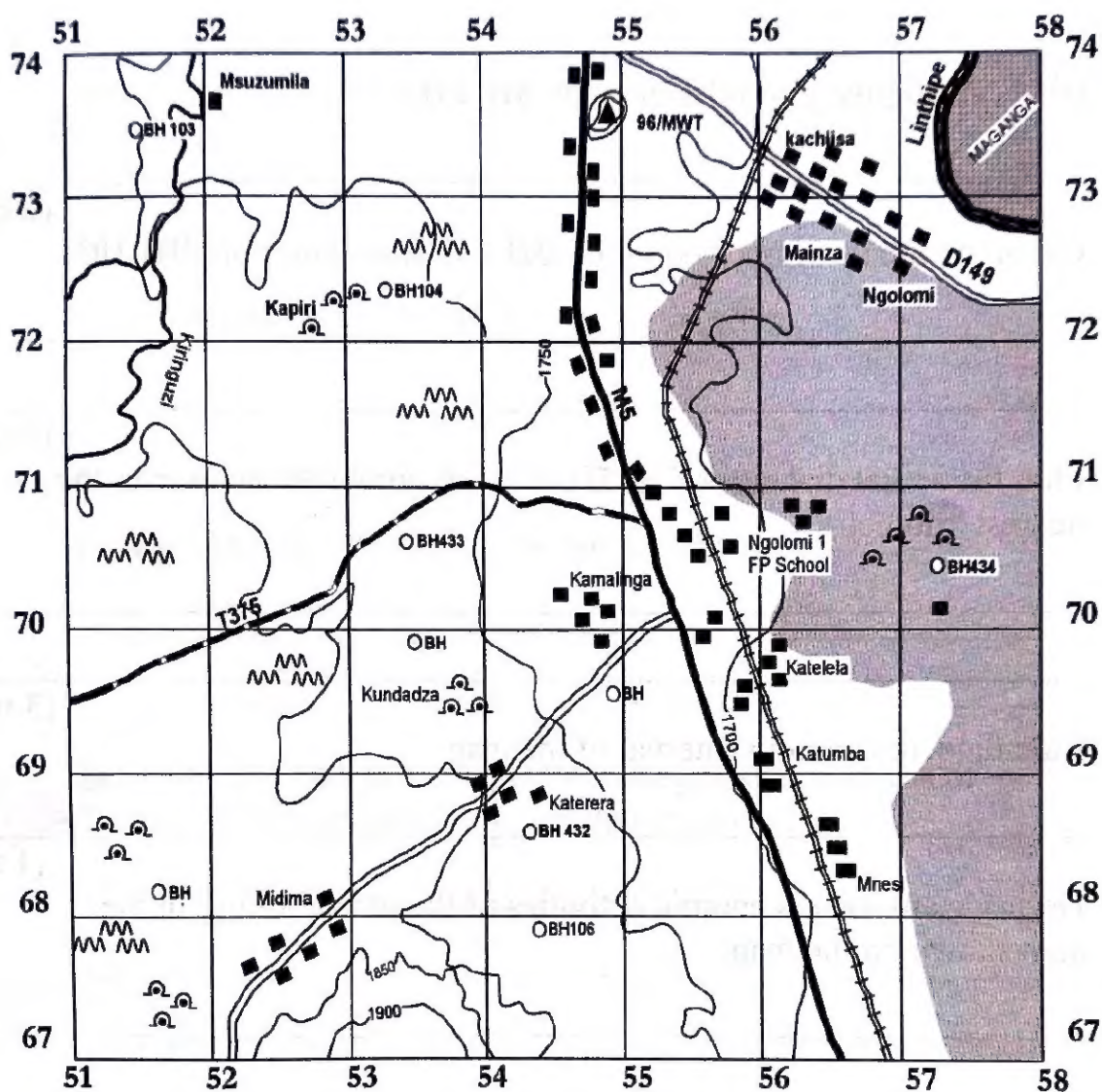
21. **Figure 2 on Page 5** is the 1:50,000 map extract for Salima. Use it to answer the questions that follow.





1:50,000

SALIMA



## Legend

|  |                     |  |                       |
|--|---------------------|--|-----------------------|
|  | Trigonometric point |  | River                 |
|  | Villages            |  | Contours              |
|  | Permanent buildings |  | General cultivation   |
|  | M5 Road             |  | Forest                |
|  | Secondary road      |  | Traditional Authority |
|  | District Road       |  | Bolehole well         |
|  | Swamp/ Marsh        |  |                       |



Figure 2

2024

21. a. Find the:
- (i) **four figure** grid reference for Kundadza village.
- \_\_\_\_\_ (1 mark)
- (ii) **six figure** grid reference for **BH 432**.
- \_\_\_\_\_ (2 marks)
- b. Calculate the bearing of borehole **BH 433** from borehole **BH 103**.
- \_\_\_\_\_ (3 marks)
- c. Find the actual distance of the **D149** road, giving the answer to the nearest kilometre.
- \_\_\_\_\_ (3 marks)
- d. Calculate the contour interval of the map.
- \_\_\_\_\_ (1 mark)
- e. Describe any **two** economic activities of the people living in the area shown on the map.
- \_\_\_\_\_ (4 marks)
- f. Find the actual area of the land covered by the forest as shown on the map, giving the answer to the nearest **km<sup>2</sup>**.

(6 marks)



Continued/...



22. a. With reference to the Earth's internal structure,  
(i) name the boundary which occurs between the crust and the mantle.

(1 mark)

- (ii) state any **two** characteristics of the core.

(2 marks)

- b. Give any **two** examples of geological disasters.

(2 marks)

- c. Define the term "environmental management".

(1 mark)

- d. Describe any **two** environmental management practices of Malawi which are related to legislative provisions.

(4 marks)

23. a. Mention any **two** minerals which are extracted in Malawi.

(2 marks)

- b. Explain any **two** ways in which minerals are economically important.

(4 marks)



2024

23. (Continued)

c. Explain any **one** effect of natural disasters on each of the following:

(i) agriculture

---

---

(2 marks)

(ii) trade

---

---

(2 marks)

24. a. Mention any **two** endangered wildlife animal species in Malawi.

---

---

(2 marks)

b. Explain any **two** human activities which lead to degradation of wildlife habitat in Malawi.

---

---

---

---

(4 marks)

c. Describe any **two** types of industries.

---

---

---

---

(4 marks)





### Section C (30 marks)

Answer **all** the questions in this section in an essay form in the spaces provided.

25. a. Explain any **four** factors which lead to high population density in an area.

(9 marks)

**(9 marks)**



Continued/...

b. Explain any **three** communication problems faced in Malawi.

(6 marks)

**(6 marks)**



Continued/...



26. a. Describe any **four** ways in which the Shire River is economically important.

(9 marks)



- (6 marks)



**NB: This paper contains 12 printed pages.**